

FIG. 1

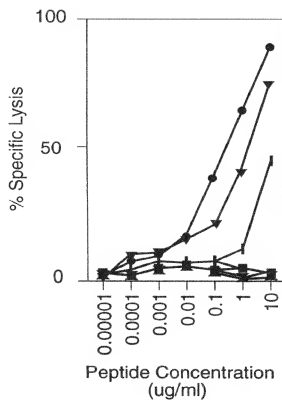
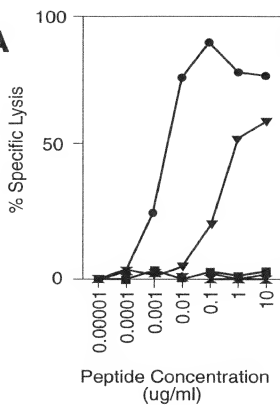
1	AGCAGACAGAGGACTCTCAATTAGGAAG	TGTCCTGTGCCCTGACCCCTACAAGATGCCA	MetPro	59
60	AGAGAAGATGCTCACTTTCATCTATGGTTAC	CCCAAGAAGGGGCACGGCCACTCTTTACACC		119
3	ArgluAspAlaHisPheIleTyrGlyTyr	ProLysLysGlyHisGlyHisSerTyrThr		22
120	ACGGCTCAAGAGCCCGCTGGATCGGCATC	CTGACAGTGTATCTGGGAGTCTTACTGCTC		179
23	ThrAlaGluGluAlaAlaGlyIleGlyIle	LeuThrValIleLeuGlyValLeuLeuLeu		42
180	ATCGGCTGTGGTATTCTAGAAGACCAAAAT	GGATACAGAGCCCTTGATGGATAAAAGTCTT		239
43	IleGlyCysTrpIleTyrCysArgArgArgAsn	GlyTyrArgAlaLeuMetAspLysSerLeu		62
240	CATGTGGCACTCAATGTCCCTTAACAAGA	AGATGCCCAACAAGAGGTTTGATCATCGG		299
63	HisValGlyThrGlnCysAlaLeuThrArg	ArgCysProGlnGluGlyPheAspHisArg		82
300	GACAGAAAAGTGTCCTTCCAAGAAAAAAC	TGTGAACCTGTGGTTCCTCCCAATGCTCCACCT		359
83	AspSerLysValSerLeuGlnGluLysAsn	CysGluProValIleProAsnAlaProPro		102
360	GCTTATGAGAACTCTCTGCAGAACAGTCA	CCACCACCTTATTTCACCTTAAAGAGCCAGCG		419
103	AlaTyrGluLysLeuSerAlaGluGlnSer	ProProProTyrSerPro		
420	AGACACCTGAGACATGCTGAAATTTATTTCT	CTCACACTTTTGTCTTGAATTTTAATACAGAC		479
480	ATCTAATGTCTCTCTTTGGAATGGGTAGG	AAAAATGCAAGCCATCTCTAATAATAAGTC		539
540	AGTGTTAAAAATTTAGTAGGTCCGCTAGCA	GTACTAATCATGTGAGGAAATGATGAGAAA		599
600	TATTAAATTTGGGAAAATCCATCAATAAAT	GTTGCAATGATGATCTACTTCTGTGCCGA		659
660	GGTAATGTAGTAATCCATGGGTATTATT	TCTGAGAGCAGAAATCAAGTGGGTATTCT		719
720	GGGGCCATCCAAATTTCTCTTTACTTGAAT	TTGGCTAATTAACAACACTAGTCAAGGTTTTCG		779
780	AACCTTGACCGACATGAAGCTGTACACAGAA	TTGTTCCAGTACTATGGAGTGTCTCAAAAG		839
840	GATACTTTACAGGTTAAGACAAAGGGTTG	ACTGGCTATTATCTGTATCAAGACACATGT		899
900	CAGCAATGTCTTTTGTGCTTAAATTTCT	ATTATCTACATAATATATTATTAAGATG		959
960	CTAGACTCTTTTTTTTGTAGATGGAGTTT	CGCTTTGTTTGGCCAGGCTGGAGTGCATG		1019
1020	CGAGCTCTTGGCTACCAATACCTCCGCC	TCCAGGTTCAAGCAATTCCTCTGCTTAG		1079
1080	CTCTCAGTAGTGGGATTAAGAGCGTGC	GCCACTATGCTGACTTAATTTTGTATGTTT		1139
1140	AGTAGACAGGGTTCTCCATGTGGTCA	GGCTGTCTCAAACTCTGACCTCAGGTGA		1199
1200	TCTGCCCGCTCAGCTCCCAAGTGTCTGG	AAATTACAGGGGTGAGCCACCGCTGGCT		1259
1260	GGATCTTATATCTTAGTAAGACATATAC	GCAGTCTAATTACATTTTCACTCAAGGCTC		1319
1320	AATGCTATTCTTAATATGACAGTATTTT	CTACTAAACCAGAAATTTGGTAGAGGATTT		1379
1380	AAATATGGCAAAAGCTACTATGTACTGCCTT	AGTCTGTAGCTGTGTACTGCTTTAAATG		1439
1440	TACCTATGGCAATTTAGACTCTCTTGGGTTT	CCAAATCCCTCTCCACAGAAATGTCAGAA		1499
1500	AAATCATAAAGGATCAGAGATTTCTGAAAA	AAAAAATAAAAAAAAAAAAAAAAAAAAAA		1559

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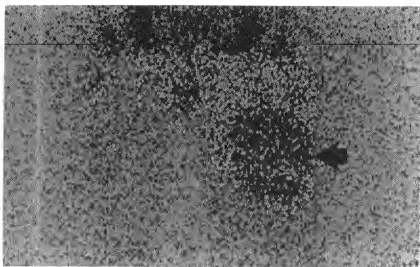
590 396

**FIG. 2A**

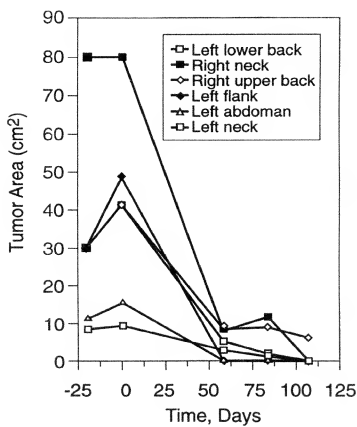


**FIG. 2B**

**FIG. 3A**



**FIG. 3B**



1.3  
WFTSMAN

## FIG. 4A

GTCGACGGCC	ATTACCAATC	GCGACCGGGA	AGAACACAAT	40
GGATCTGGTG	CTAAAAAGAT	GCCTTCTTCA	TTTGGCTGTG	80
ATAGGTGCTT	TGCTGGCTGT	GGGGGCTACA	AAAGTACCCA	120
GAAACCAGGA	CTGGCTTGGT	GTCTCAAGGC	AACTCAGAAC	160
CAAAGCCTGG	AACAGGCAGC	TGTATCCAGA	GTGGACAGAA	200
GCCCAGAGAC	TTGACTGCTG	GAGAGGTGGT	CAAGTGTCCC	240
TCAAGGTCAG	TAATGATGGG	CCTACACTGA	TTGGTGCAAA	280
TGCTCCTTC	TCTATGCCT	TGAACCTCCC	TGGAAGCCAA	320
AAGGTATGTC	CAGATGGGCA	GGTTATCTGG	GTCAACAATA	360
CCATCATCAA	TGGGAGCCAG	GTGTGGGGAG	GACAGCCAGT	400
GTATCCCCAG	GAAACTGACG	ATGCCTGCAT	CTTCCTTGAT	440
GGTGGACCTT	GCCCATCTGG	CTCTTGGTCT	CAGAAGAGAA	480
GCTTGTGTTA	TGTCTGGAAG	ACCTGGGGCC	AATACTGGCA	520
ATTCTAGGG	GGCCCAGTGT	CTGGGCTGAG	CATTGGGACA	560
GGCAGGGCAA	TGCTGGGCAC	ACACACCATG	GAAGTGACTG	600
TCTACCATCG	CCGGGGATCC	CGGAGCTATG	TGCCTCTTGC	640
TCATTCCAGC	TCAGCCTTCA	CCATTACTGA	CCAGGTGCCT	680
TTCTCCGTGA	GCGTGTCCCA	GTTCGCGGCC	TTGGATGGAG	720
GGAACAAGCA	CTTCCTGAGA	AATCAGCCCT	TGACCTTTGC	760
CCTCCAGCTC	CATGACCCCA	GTGGCTATCT	GGCTGAAGCT	800
GACCTCTCCT	ACACCTGGGA	CTTTGGAGAC	AGTAGTGGA	840
CCCTGATCTC	TCGGGCACTT	GTGGTCACTC	ATACTTACCT	880
GGAGCCTGGC	CCAGTCACTG	CCCAGGTGGT	CCTGCAGGCT	920
GCCATTCCCT	TCACCTCCTG	TGGCTCCTCC	CCAGTTCCAG	960
GCACCACAGA	TGGGCACAGG	CCAACCTGCAG	AGGCCCCATA	1000
CACCACAGCT	GGCCAAGTGC	CTACTACAGA	AGTTGTGGGT	1040
ACTACACCTG	GTCAGGCGCC	AACTGCAGAG	CCCTCTGGAA	1080
CCACATCTGT	GCAGGTGCCA	ACCACTGAAG	TCATAAGCAC	1120

## FIG. 4B

TGCACCTGTG	CAGATGCCAA	CTGCAGAGAG	CACAGGTATG	1160
ACACCTGAGA	AGGTGCCAGT	TTCAGAGGTC	ATGGGTACCA	1200
CACTGGCAGA	GATGTCAACT	CCAGAGGCTA	CAGGTATGAC	1240
ACCTGCAGAG	GTATCAATTG	TGGTGCTTTC	TGGAACCACA	1280
GCTGCACAGG	TAACAACTAC	AGAGTGGGTG	GAGACCACAG	1320
CTAGAGAGCT	ACCTATCCCCT	GAGCCTGAAG	GTCCAGATGC	1360
CAGCTCAATC	ATGTCTACGG	AAAGTATTAC	AGGTTCCTCG	1400
GGCCCCCTGC	TGGATGGTAC	AGCCACCTTA	AGGCTGGTGA	1440
AGAGACAAGT	CCCCCTGGAT	TGTGTTCTGT	ATCGATATGG	1480
TTCCTTTTCC	GTCAACCCTG	ACATTGTCCA	GGGTATTGAA	1520
AGTGCCGAGA	TCCTGCAGGC	TGTGCCGTCC	GGTGAGGGGG	1560
ATGCATTTGA	GCTGACTGTG	TCCTGCCAAG	GCGGGCTGCC	1600
CAAGGAAGCC	TGCATGGAGA	TCTCATCGCC	AGGGTGCCAG	1640
CCCCCTGCCC	AGCGGCTGTG	CCAGCCTGTG	CTACCCAGCC	1680
CAGCCTGCCA	GCTGGTTCTG	CACCAGATAC	TGAAGGTGG	1720
CTCGGGGACA	TACTGCCTCA	ATGTGTCTCT	GGCTGATACC	1760
AACAGCCTGG	CAGTGGTCAG	CACCAGCTT	ATCATGCCTG	1800
GTCAAGAAGC	AGGCCTTGGG	CAGGTTCCGC	TGATCGTGGG	1840
CATCTTGCTG	GTGTTGATGG	CTGTGGTCCT	TGCATCTCTG	1880
ATATATAGGC	GCAGACTTAT	GAAGCAAGAC	TTCTCCGTAC	1920
CCCAGTTGCC	ACATAGCAGC	AGTCACTGGC	TGCGTCTACC	1960
CCGCATCTTC	TGCTCTTGTC	CCATTGGTGA	GAACAGCCCC	2000
CTCCTCAGTG	GGCAGCAGGT	CTGAGTACTC	TCATATGATG	2040
CTGTGATTTT	CCTGGAGTTG	ACAGAAACAC	CTATATTTCC	2080
CCCAGTCTTC	CCTGGGAGAC	TACTATTAAAC	TGAAATAAAT	2120
ACTCAGAGCC	TGAAAAAAAA	TAAAAAAAAA	AAAAAAAAAA	2160
AAAAAAAAAA	AA			2172



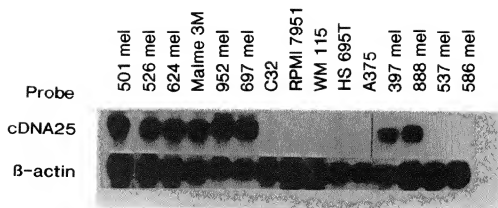
**FIG. 5A**

1 MDLVLRCLL HLAIVIGALLA VGATKVPRNQ DWLGVSRQLR TKAWNRLQLYP  
51 EWTEAQRLLC WRGGQVSLKV SNDGPTLIGA NASFSIALNF PGSQKVLDPG  
101 QVIWVNNTII NGSQVWGGQP VYPQETDDAC IFPDGGPCPS GSWSQKRSFV  
151 YVWKTWQYW QFLGGPVSGL SIGTGRAMLG THTMEVTVYH RGRSRSYVPL  
201 AHSSSAFTIT DQVPFVSVS QLRALDGGNK HFLRNQPLTF ALQLHDPSTY  
251 LAEADLSYTW DFGDSSGTLI SRALVVTHTY LEPGPVTAQV VLQAAIPLTS  
301 CGSSPVPGGT DGHRTAEAP NTTAGQVPTT EVVGTTTPGQA PTAEPSGTTS  
351 VQVPTTEVIS TAPVQMPTAE STGMTPEKVP VSEVMGTTLA EMSTPEATGM  
401 TPAEVSIVVL SGTAAQVTT TEWVETTARE LPIPEPEGPD ASSIMSTESI  
451 TGSLGPLLDG TATLRLVKRQ VPLDCVLYRY GSFSVTLDIV QGIESAEILQ  
501 AVPSGEGDAF ELTVSCQGGL PKEACMEISS PGCPPPAQRLL CQPVLPSPAC  
551 QLVLHQILKG GSGTYCLNVS LADTNSLAVV STQLIMPQGE AGLGQVPLIV  
601 GILLVLMVV LASLIYRRRL MKQDFSVPLQ PHSSSHWLRL PRIFCSCPIG  
651 ENSPLLSGQQ V

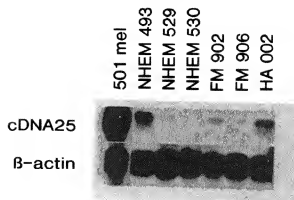
**FIG. 5B**

Pme117	M-----V-----Q-----P-----VPGILLT-----LLSGQQV
ME20	M-----V-----Q-----L-----.....
gp100	M-----V-----Q-----L-----.....
cDNA25FL	M-----F-----Q-----L-----.....
cDNA25TR	Q-----L-----.....PPQWAAGLSTLI
	1 162 236 274 588 649

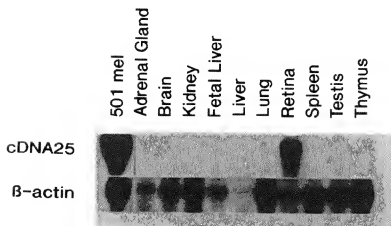
**FIG. 6A**



**FIG. 6B**



**FIG. 6C**



# FIG. 7A

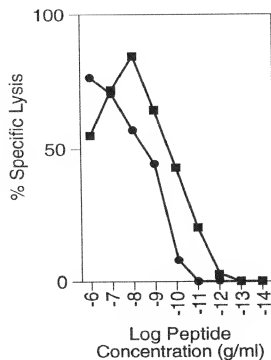
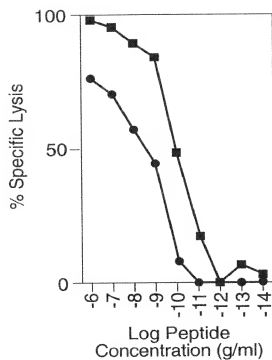
1	MDLVLRCLL	HLAVIGALLA	VGATKVPRNQ	DWLGVSQRQLR	TKAWNRQLYP
	D3-----	-----	-----	-----	-----
	D5-----	-----	-----	-----	-----
	D4-----	-----	-----	-----	-----
	C4-----	-----	-----	-----	-----
51	EWTEAQRLLC	WRGGQVSLKV	SNDGPTLIGA	NASFSLALNF	PGSQKVLDPG
	D3-----	-----	-----	-----	-----
	D5-----	-----	-----	-----	-----
	D4-----	-----	-----	-----	-----
	C4-----	-----	-----	-----	-----
101	QVIWVNNTII	NGSQVWGGQP	VYPQETDDAC	IFPDGGPCPS	GSWSQKRSFV
	D3-----	-----	-----	-----	-----
	D5-----	-----	-----	-----	-----
	D4-----	-----	-----	-----	-----
	C4-----	-----	-----	-----	-----
151	YVWKTWGQYV	QVLGGPVSGL	SIGTGRAMLG	THTMEVTVYH	RRGSRSYVPL
	D3-----D3	-----	-----	-----	-----
	D5-----	---D5	-----	-----	-----
	D4-----	-----	-----	-----	-----D4
	C4-----	-----	-----	-----	-----
201	AHSSSAFTIT	DQVPFVSVS	QLRALDGGNK	HFLRNQPLTF	ALQLHDPGGY
	C4-----	-----	-----	-----	-----
				25TR-----	-----
251	LAEADLSYTW	DFGDSSGTLI	SRALVVTHTY	LEPGFVTAQV	VLQAAIPLTS
	C4-----	-----C4	-----	-----	-----
	25TR-----	-----	-----	-----	-----
301	CGSSFPVPGTT	DGHRPTAEAP	NTTAGQVPTT	EVVGTTTPGQA	PTAEPSTGTS
	25TR-----	-----	-----	-----	-----
351	VQVPTTEVIS	TAPVQMPTAE	STGMTPEKVP	VSEVMGTTLA	EMSTPEATGM
	25TR-----	-----	-----	-----	-----
401	TPAEVSIVVL	SGTTAAQVTT	TEWVETTARE	LPIPEPEGPD	ASSIMSTESI
	25TR-----	-----	-----	-----	-----
451	TGSLGPLLDG	TATLRLVKRQ	VPLDCVLYRY	GSFSYTLDIV	QGIESAEILQ
	25TR-----	-----	-----	-----	-----
501	AVPSGEGDAF	ELTVSCQGGL	PKEACMEISS	PGCQPPAQRL	CQFVLPSPAC
	25TR-----	-----	-----	-----	-----
551	QLVLHQILKG	GSPTYCLNVS	LADTNSLAVV	STQLIMPQGE	AGLGQVPLIV
	25TR-----	-----	-----	-----	-----
601	GILLVLMMAV	LASLIYRRRL	MKQDFSVPQL	PHSSSHWLRL	PRIFCSCPIG
	25TR-----	-----	-----	-----	-----
651	ENSPLLSGQQ	V	-----	-----	-----
	25TR-----	-25TR	-----	-----	-----



**FIG. 7B**

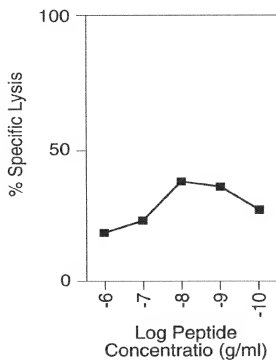
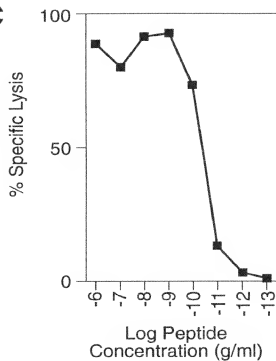
DNA fragment	TIL				
	620-1	620-2	660-1	1143	1200
D3	-	-	-	-	-
D5	-	+	-	-	+
D4	-	+	-	-	+
C4	+	+	+	+	+
25TR	-	-	+	+	+

**FIG. 8A**



**FIG. 8B**

**FIG. 8C**



**FIG. 8D**